CITY OF COPPELL

DALLAS / DENTON COUNTY, TEXAS

STANDARD CONSTRUCTION DETAILS

REVISED SEPTEMBER 17, 2020

CITY OF COPPELL ORDINANCE # 2006-1129

S:\Standard_Details\STANDARD CONSTRUCTION DETAILS\edcoppell2020.dwg

GENERAL NOTES

1. THESE STANDARD CONSTRUCTION DETAIL DRAWINGS ARE BASED ON THE STANDARD DRAWINGS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) IN 1996. IN ADDITION TO NUMEROUS LOCAL EXCEPTIONS, MANY DETAILS IN THIS SET ARE UNIQUE TO THE CITY OF COPPELL. THESE STANDARD CONSTRUCTION DETAIL DRAWINGS SUPERSEDE ALL OTHER VERSIONS OF NCTCOG AND CITY OF COPPELL STANDARD CONSTRUCTION DETAILS. THE CITY OF COPPELL RESERVES THE RIGHT TO UPDATE, MODIFY OR SUPERSEDE THESE STANDARD CONSTRUCTION DETAIL DRAWINGS WITHOUT NOTICE. THE CITY OF COPPELL RESERVES THE RIGHT TO REQUIRE METHODS AND MATERIALS CONTRADICTORY TO THOSE SHOWN IN THESE DETAILS ON A CASE BY CASE BASIS.

2. THE CITY OF COPPELL HAS ADOPTED THE "Standard Specifications for Public Works Construction", 4TH EDITION, AS ITS BASIC CONSTRUCTION SPECIFICATIONS. THIS DOCUMENT IS AVAILABLE FOR PURCHASE FROM THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), 616 SIX FLAGS DR., SUITE 200, P.O. BOX 5888, ARLINGTON TEXAS 76005–5888, PH. 817/640–3300, nctcog.org. THE CITY OF COPPELL RESERVES THE RIGHT TO MAKE LOCAL EXCEPTIONS TO ANY STANDARD SPECIFICATION.

3. WHERE THE STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS DO NOT ADDRESS A SPECIFIC ITEM ADEQUATELY, REFER TO THE APPROPRIATE STANDARDS PUBLISHED BY THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT), THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (T.M.U.T.C.D.), TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (T.C.E.Q.), TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (T.P.D.E.S.) GENERAL PERMIT, AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (A.A.S.H.T.O.), ASTM International AND THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A).

4. LOCAL, STATE AND FEDERAL ORDINANCES WHICH REGULATE DEVELOPMENT IN THE CITY OF COPPELL ARE:
   a. CITY OF COPPELL SUBDIVISION ORDINANCE.
   b. CITY OF COPPELL FLOODPLAIN ORDINANCE.
   c. CITY OF COPPELL IMPACT FEE ORDINANCE.
   d. CITY OF COPPELL EROSION CONTROL ORDINANCE.
   e. CITY OF COPPELL ZONING ORDINANCE.
   f. CITY OF COPPELL RIGHT–OF–WAY MANAGEMENT ORDINANCE.
   g. CITY OF COPPELL TREE ORDINANCE
   h. CITY OF COPPELL NOISE ORDINANCE
   i. CITY OF COPPELL CITY–WIDE STORM WATER MANAGEMENT STUDY
   j. TEXAS ACCESSIBILITY STANDARDS (T.A.S.)
   k. AMERICANS WITH DISABILITIES ACT (A.D.A.)
   △1 l. TxDot PED 18 PEDESTRIAN FACILITIES CURB RAMPS

THE · CITY · OF
COPPELL
TEXAS · 1890

△1 ADD TxDot PED 18 TO LIST JB APR. '19

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THE CITY OF COPPELL TEXAS 1890

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THE · CITY · OF
COPPELL
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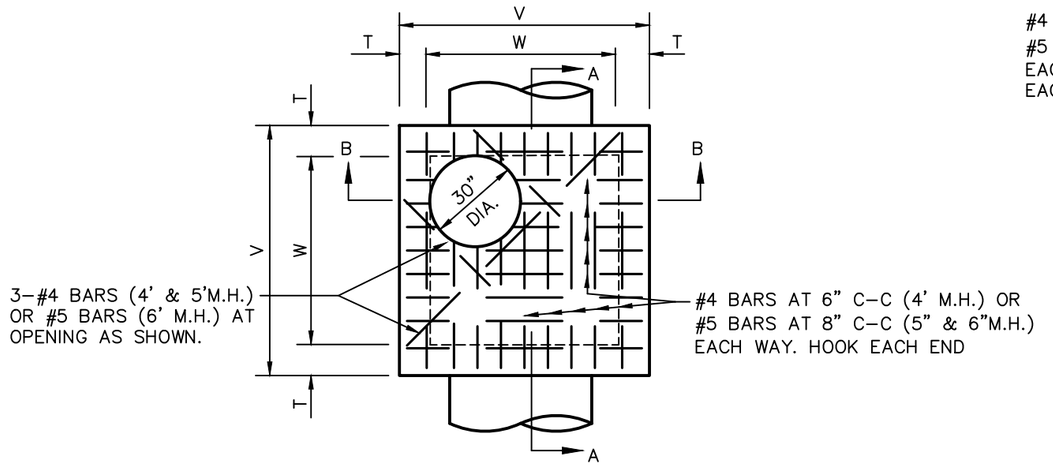
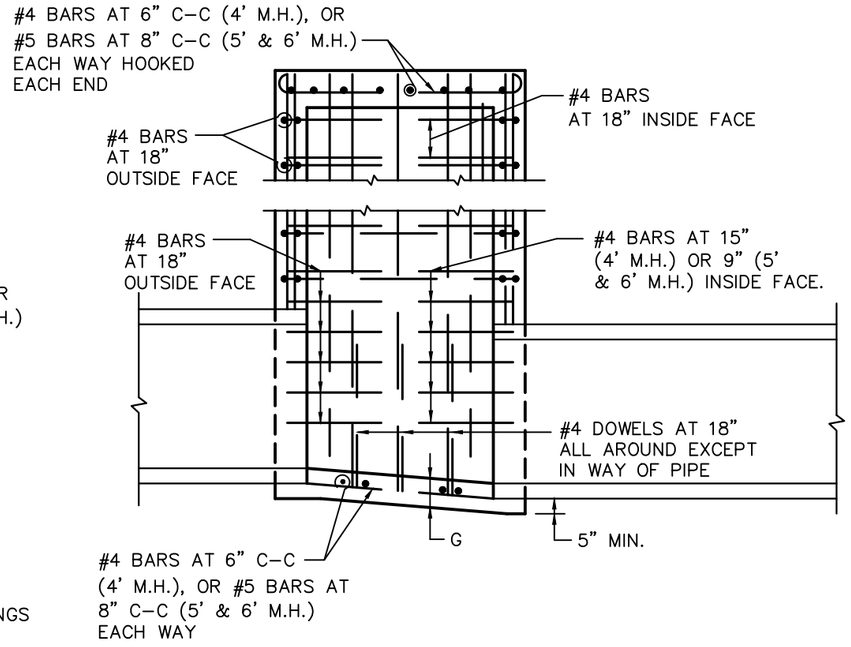
⚠1 NEW STANDARD CONSTRUCTION DETAIL. SWL APR. '20

THE CITY OF COPPELL TEXAS 1890



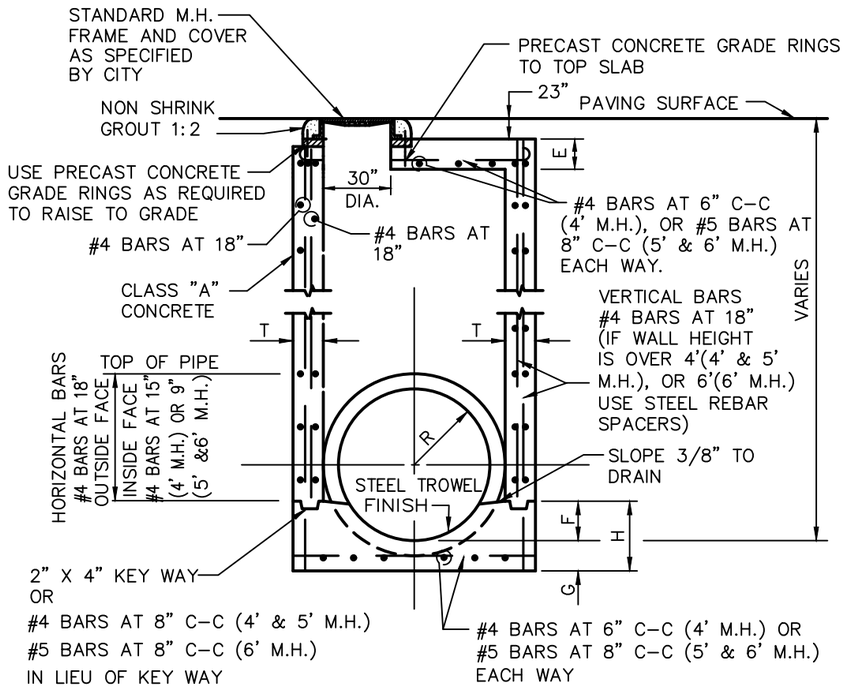
PLAN
N.T.S.



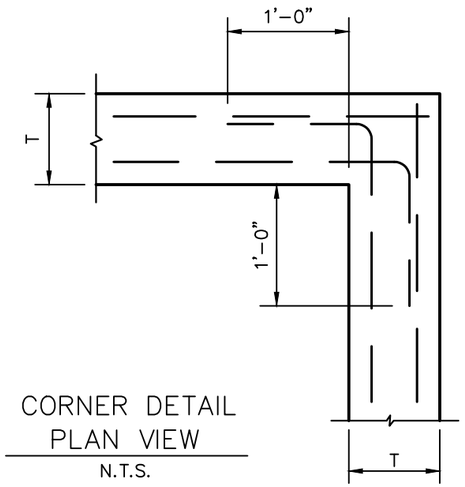
SECTION A–A
N.T.S.

M.H. SIZE(W)	V	T	E	F	G	H
4'	5'–4"	8"	6"	9"	6"	1'–3"
5'	6'–4"	8"	6"	12"	8"	1'–8"
6'	7'–6"	9"	9"	16"	10"	2'–2"

TABLE OF DIMENSIONS
N.T.S.



SECTION B–B
N.T.S.



CORNER DETAIL
PLAN VIEW
N.T.S.

NOTES:

1. SLOPE INVERT OF MANHOLE AS INDICATED ON PLAN–PROFILE SHEET.
2. LAYERS OF REINFORCING STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACE SHALL HAVE A COVER OF 2" TO THE CENTER OF BARS, UNLESS OTHERWISE NOTED.
3. CONCRETE SHALL BE CLASS "A".
4. OUTER WALL OF STRUCTURE SHALL BE CONSTRUCTED USING FORMS, NOT THE VERTICAL WALL OF THE EXCAVATION.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE
1	CHANGED MANHOLE FRAME AND COVER DIAMETER FROM 24" TO 30".	SWL	FEB '20.

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

STORM DRAIN

MANHOLE 4', 5' OR 6' SQUARE

CITY OF COPPELL DALLAS COUNTY, TEXAS

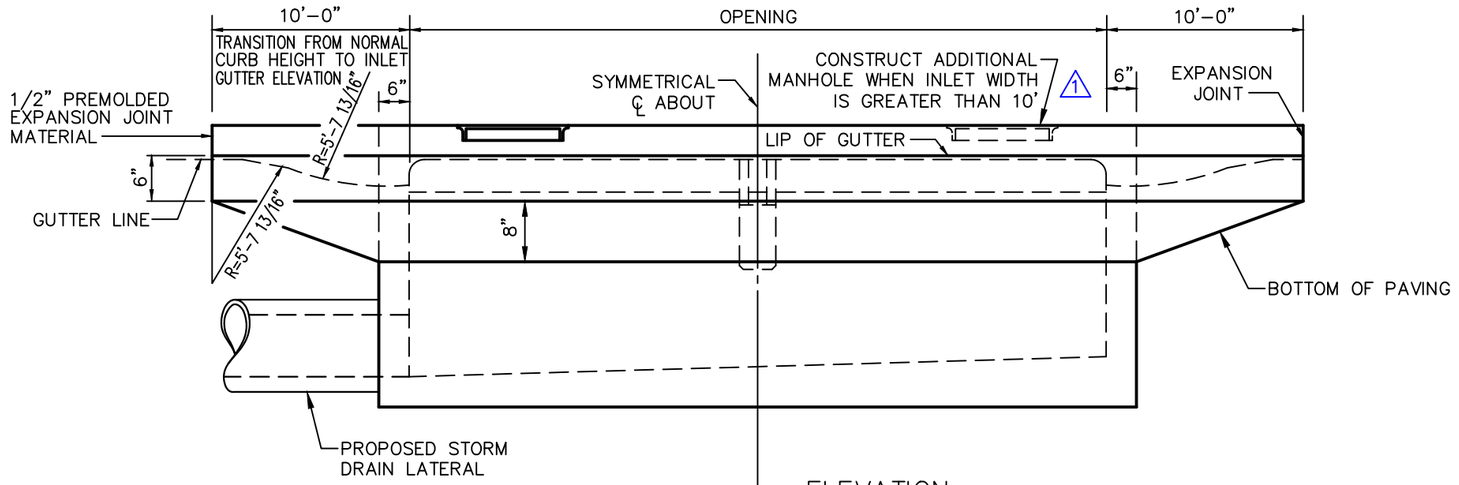
STD. SPEC. REFERENCE
501., 702.

STANDARD DETAIL
6010

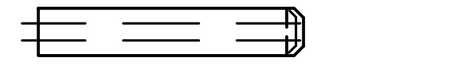
NOTE:

1. LOCATION OF MANHOLE OPENING TO BE AT OUTFALL END, UNLESS OTHERWISE DIRECTED BY THE CITY.

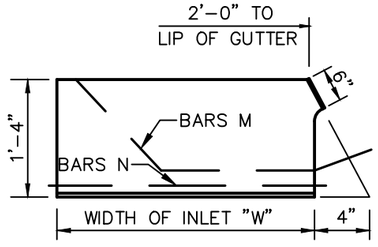
⚠1 2. INLETS OVER 10' IN WIDTH SHALL HAVE A MANHOLE OPENING AT EACH END.



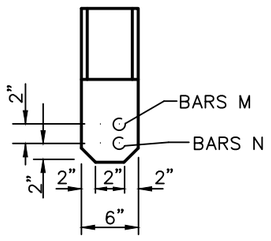
ELEVATION
N.T.S.



TOP VIEW



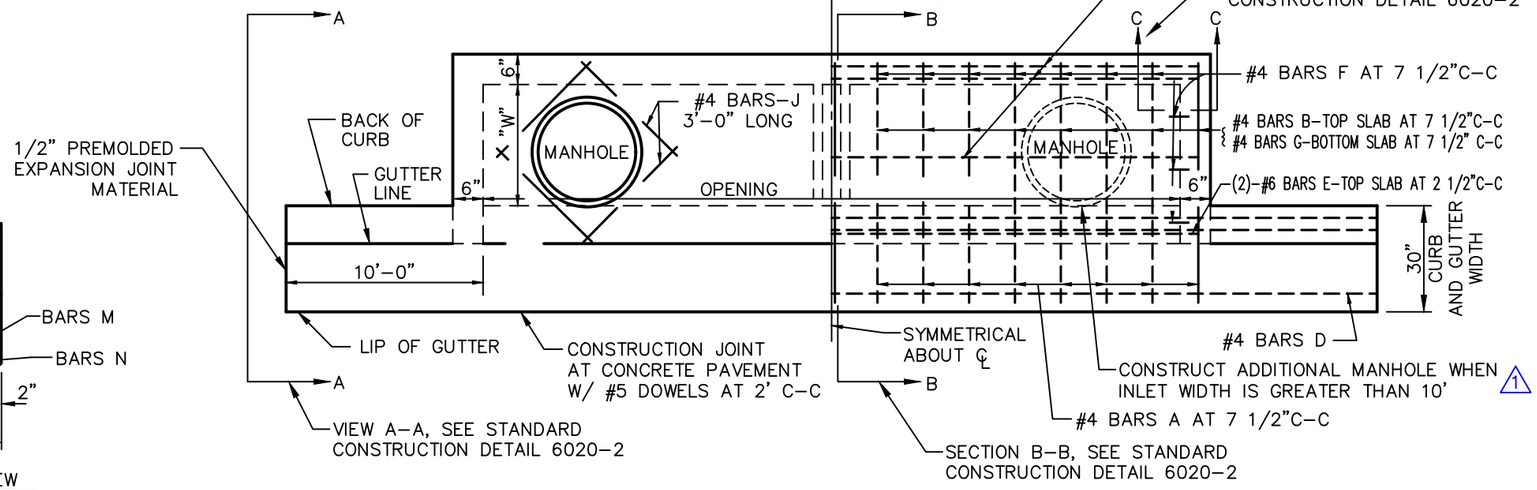
SIDE SECTION



END VIEW

TRANSVERSE BEAM DETAIL

(FOR USE WITH 15' & 20' INLETS)
N.T.S.



PLAN
N.T.S.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE
⚠1	ADD NOTE 2 AND ADDITIONAL MANHOLES.	SWL	APR. '20

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

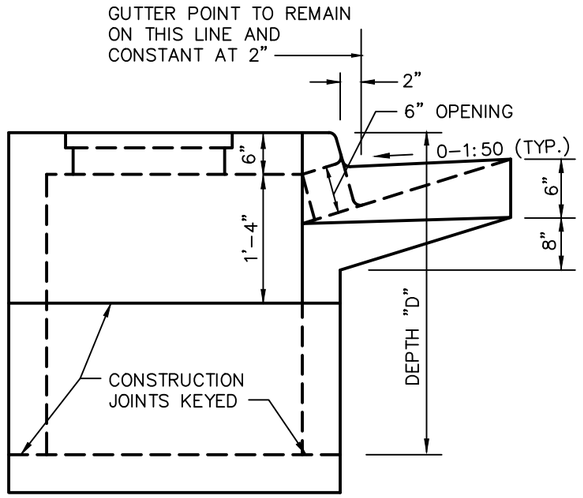
STORM DRAIN

CURB INLET: 5', 10', 15' OR 20' OPENING

CITY OF COPPELL DALLAS COUNTY, TEXAS

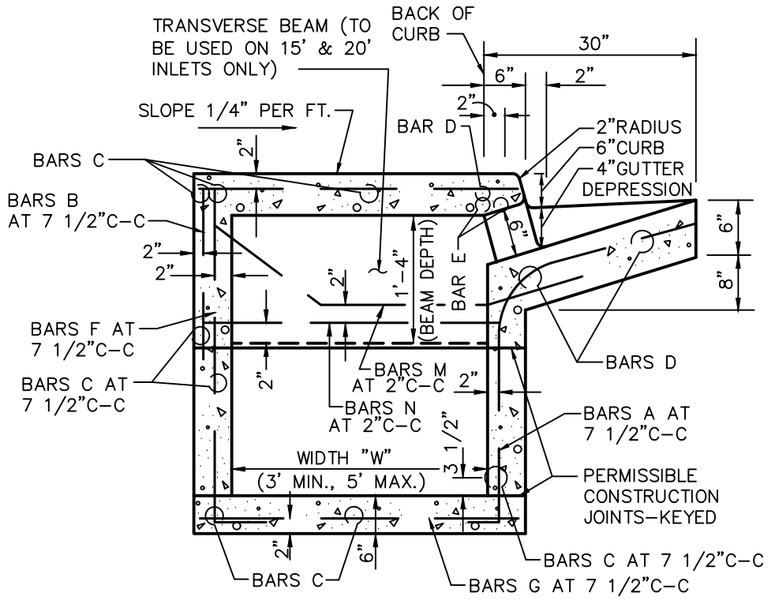
STD. SPEC. REFERENCE
501., 702.

STANDARD DETAIL
6020-1



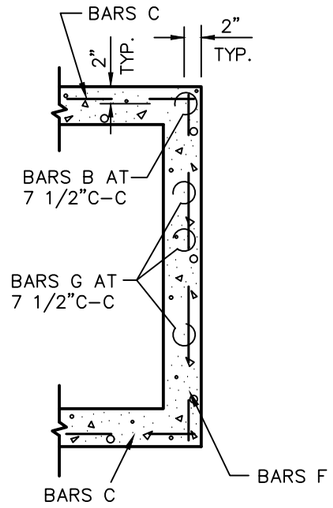
VIEW A–A

N.T.S.



SECTION B–B

N.T.S.



SECTION C–C

N.T.S.

GENERAL NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" CONCRETE.
2. REINFORCING BARS SHALL BE STANDARD GRADE STEEL, DEFORMED REINFORCING BARS OF A DIAMETER AND LENGTH AS SHOWN.
3. CHAMFER ALL EXPOSED CORNERS 3/4" EXCEPT WHERE OTHERWISE NOTED.
4. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTERS OF BARS.
5. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM DRAIN PIPE.
6. RING AND COVER SHALL BE APPROVED BY THE CITY AND INSTALLED BY THE CONTRACTOR.
7. OUTER WALL OF STRUCTURE SHALL BE CONSTRUCTED USING FORMS, NOT THE VERTICAL WALL OF THE EXCAVATION.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1890

STANDARD CONSTRUCTION DETAILS

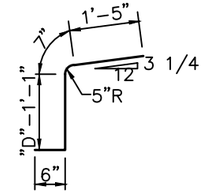
STORM DRAIN

CURB INLET: 5', 10', 15' OR 20' OPENING

CITY OF COPPELL DALLAS COUNTY, TEXAS

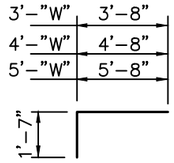
STD. SPEC. REFERENCE
501., 702.

STANDARD DETAIL
6020-2



#4 BARS A

N.T.S.



#4 BARS B

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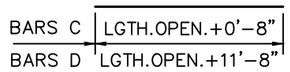

#4 BARS C & D

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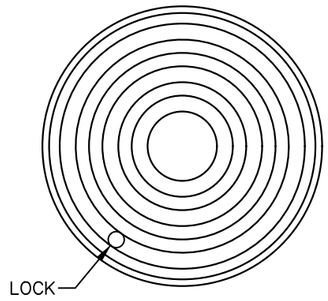
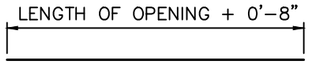


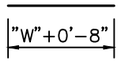


#4 BARS E

N.T.S.

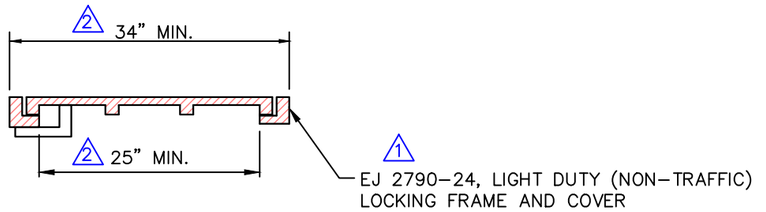
#4 BARS F

N.T.S.



#4 BARS G

N.T.S.

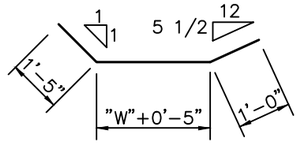


CAST IRON
FRAME AND COVER

N.T.S

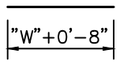
#4 BARS J

N.T.S.



#3 BARS M

N.T.S.



#5 BARS N

N.T.S.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE
2	UPDATE DIMENSIONS OF FRAME AND COVER.	SWL	MAY '20
1	UPDATE PART NUMBER OF FRAME AND COVER.	SWL	MAY '20

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

STORM DRAIN

CURB INLET: REBAR AND M.H. FRAME & COVER

CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
502., 702.

STANDARD DETAIL
6020-3

BILL OF REINFORCING STEEL

DEPTH "D"	ALL WIDTHS AND LENGTHS				OPENING LENGTH "L" = 5ft						OPENING LENGTH "L" = 10ft						OPENING LENGTH "L" = 15 ft								OPENING LENGTH "L" = 20 ft							
					Widths "W"						Widths "W"						Widths "W"								Widths "W"							
					3ft	4ft	5ft				3ft	4ft	5ft				3ft	4ft	5ft						3ft	4ft	5ft					
	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS	BARS
	C	D	E	J	F	F	F	A	B	G	F	F	F	A	B	G	F	F	F	A	B	G	M	N	F	F	F	A	B	G	M	N
3'–6"	17	3	2	4	20	24	28	10	10	20	28	32	36	18	18	28	36	40	44	26	26	36	2	2	44	48	52	34	34	44	2	2
3'–9"	18	"	"	"	"	"	"	"	"	20	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	"	"	44	"	"
4'–0"	19	"	"	"	"	"	"	"	"	24	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	"	"	48	"	"
4'–3"	19	"	"	"	"	"	"	"	"	24	"	"	"	"	"	32	"	"	"	"	"	40	"	"	"	"	"	"	"	48	"	"
4'–6"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"
4'–9"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"
5'–0"	21	"	"	"	"	"	"	"	"	26	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	"	"	50	"	"
5'–3"	23	"	"	"	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	"	"	52	"	"
5'–6"	23	"	"	"	"	"	"	"	"	28	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	"	"	52	"	"
5'–9"	25	"	"	"	"	"	"	"	"	30	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	"	"	54	"	"
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7'–0"	29	"	"	"	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	"	"	58	"	"
7'–3"	29	"	"	"	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	"	"	58	"	"
7'–6"	30	"	"	"	"	"	"	"	"	34	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	"	"	58	"	"
7'–9"	31	"	"	"	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	52	"	"	"	"	"	"	"	60	"	"
8'–0"	31	"	"	"	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	52	"	"	"	"	"	"	"	60	"	"
8'–3"	32	"	"	"	"	"	"	"	"	36	"	"	"	"	"	44	"	"	"	"	"	52	"	"	"	"	"	"	"	60	"	"
8'–6"	33	"	"	"	"	"	"	"	"	38	"	"	"	"	"	46	"	"	"	"	"	54	"	"	"	"	"	"	"	62	"	"
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9'–0"	35	"	"	"	"	"	"	"	"	40	"	"	"	"	"	48	"	"	"	"	"	56	"	"	"	"	"	"	"	64	"	"
9'–3"	36	"	"	"	"	"	"	"	"	40	"	"	"	"	"	48	"	"	"	"	"	56	"	"	"	"	"	"	"	64	"	"
9'–6"	37	"	"	"	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	58	"	"	"	"	"	"	"	66	"	"
10'–0"	38	"	"	"	"	"	"	"	"	42	"	"	"	"	"	50	"	"	"	"	"	58	"	"	"	"	"	"	"	66	"	"

NOTE:
FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLES ARE IN INCREMENTS OF 3 INCHES BUT ANY DEPTHS OTHER THAN THOSE SHOWN ABOVE MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE TABLE MAY BE FOUND BY INTERPOLATION.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

STORM DRAIN

CURB INLET: BILL OF REINFORCING STEEL

CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
702.

STANDARD DETAIL
6020-4

SUMMARY OF QUANTITIES FOR CURB INLETS

DEPTH "D"	5'–0" OPENING						10'–0" OPENING						15'–0" OPENING						20'–0" OPENING					
	WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"		WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"		WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"		WIDTH 3'–0"		WIDTH 4'–0"		WIDTH 5'–0"	
	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.	CONC C.Y.	STEEL LBS.
3'–6"	2.62	306	2.95	332	3.28	373	4.12	479	4.64	521	5.20	564	5.69	667	6.40	721	7.10	775	7.20	846	8.11	909	9.03	976
3'–9"	2.70	309	3.04	341	3.39	373	4.25	494	4.78	536	5.34	579	5.87	687	6.58	741	7.30	796	7.42	874	8.34	937	9.27	1010
4'–0"	2.78	328	3.14	364	3.49	399	4.38	518	4.92	565	5.49	610	6.05	718	6.77	776	7.49	835	7.64	909	8.58	976	9.51	1046
4'–3"	2.87	334	3.23	370	3.59	406	4.51	526	5.06	573	5.64	619	6.22	729	6.95	787	7.69	847	7.87	922	8.81	990	9.75	1061
4'–6"	2.95	356	3.32	394	3.69	431	4.64	558	5.20	607	5.79	656	6.40	770	7.14	830	7.88	891	8.09	973	9.04	1043	9.99	1115
4'–9"	3.03	361	3.41	410	3.79	438	4.77	566	5.34	616	5.94	665	6.57	780	7.32	841	8.07	903	8.31	986	9.27	1056	10.23	1129
5'–0"	3.12	367	3.51	416	3.90	445	4.90	574	5.47	624	6.09	674	6.75	791	7.51	853	8.27	915	8.53	999	9.50	1070	10.47	1144
5'–3"	3.20	383	3.60	424	4.00	465	5.03	600	5.61	652	6.23	704	6.93	827	7.69	890	8.46	955	8.76	1044	9.73	1118	10.71	1194
5'–6"	3.28	389	3.69	430	4.10	472	5.16	608	5.75	661	6.38	713	7.11	837	7.88	901	8.66	967	8.98	1057	9.97	1131	10.95	1208
5'–9"	3.37	405	3.78	451	4.20	495	5.29	635	5.89	690	6.53	744	7.28	874	8.07	940	8.85	1007	9.20	1102	10.20	1178	11.19	1258
6'–0"	3.45	415	3.88	460	4.30	504	5.42	646	6.03	702	6.68	757	7.45	888	8.25	954	9.05	1022	9.42	1119	10.43	1196	11.43	1276
6'–3"	3.53	425	3.97	470	4.41	515	5.55	661	6.17	718	6.83	773	7.63	908	8.44	975	9.24	1044	9.64	1147	10.66	1223	11.67	1305
6'–6"	3.62	437	4.06	486	4.51	532	5.68	681	6.31	739	6.97	797	7.81	935	8.62	1005	9.43	1057	9.87	1178	10.89	1258	11.92	1340
6'–9"	3.70	441	4.15	490	4.61	537	5.81	688	6.45	747	7.12	806	7.98	945	8.81	1015	9.63	1066	10.09	1191	11.12	1272	12.15	1355
7'–0"	3.78	460	4.25	510	4.71	560	5.94	716	6.59	777	7.27	837	8.16	981	8.99	1053	9.82	1126	10.31	1237	11.35	1319	12.40	1404
7'–3"	3.86	465	4.34	516	4.81	567	6.07	724	6.72	785	7.42	846	8.33	992	9.18	1065	10.02	1138	10.53	1249	11.59	1333	12.64	1418
7'–6"	3.95	477	4.43	529	4.91	570	6.20	742	6.86	804	7.57	866	8.51	1016	9.36	1089	10.21	1163	10.75	1290	11.82	1365	12.88	1451
7'–9"	4.03	491	4.53	544	5.02	597	6.33	762	7.00	826	7.71	890	8.67	1040	9.55	1116	10.41	1193	10.98	1313	12.05	1399	13.12	1498
8'–0"	4.12	496	4.62	550	5.12	604	6.46	770	7.14	834	7.86	899	8.86	1051	9.73	1129	10.60	1205	11.20	1325	12.28	1412	13.36	1510
8'–3"	4.20	504	4.71	559	5.22	613	6.59	784	7.28	849	8.01	915	9.04	1069	9.92	1149	10.80	1228	11.42	1353	12.51	1440	13.60	1529
8'–6"	4.28	519	4.80	576	5.32	632	6.71	804	7.42	871	8.16	938	9.21	1107	10.10	1176	10.99	1257	11.64	1385	12.74	1474	13.84	1565
8'–9"	4.37	528	4.90	586	5.42	643	6.84	819	7.56	886	8.31	954	9.39	1119	10.29	1199	11.18	1280	11.87	1410	12.97	1500	14.08	1592
9'–0"	4.45	545	4.99	605	5.53	664	6.97	842	7.70	912	8.46	982	9.56	1148	10.47	1231	11.38	1313	12.09	1447	13.21	1539	14.32	1631
9'–3"	4.53	554	5.08	614	5.63	674	7.10	858	7.84	929	8.60	999	9.74	1169	10.66	1252	11.57	1335	12.31	1474	13.44	1563	14.56	1660
9'–6"	4.62	568	5.17	630	5.73	692	7.23	878	7.97	950	8.75	1022	9.92	1195	10.84	1280	11.77	1365	12.53	1505	13.67	1600	14.80	1696
10'–0"	4.78	582	5.36	645	5.93	708	7.49	900	8.11	974	9.05	1048	10.27	1227	11.21	1312	12.16	1399	12.98	1546	14.13	1642	15.29	1739

NOTE:
FOR CONVENIENCE, DEPTHS OF INLETS SHOWN IN ABOVE TABLES ARE IN INCREMENTS OF 3 INCHES BUT ANY DEPTHS OTHER THAN THOSE SHOWN ABOVE MAY BE USED WHEREVER DEEMED NECESSARY. QUANTITIES FOR OTHER DEPTHS FALLING WITHIN THE LIMITS OF THE TABLE MAY BE FOUND BY INTERPOLATION.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

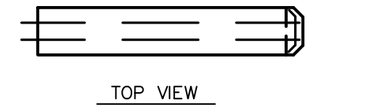
STORM DRAIN

CURB INLET: SUMMARY OF QUANTITIES

CITY OF COPPELL DALLAS COUNTY, TEXAS

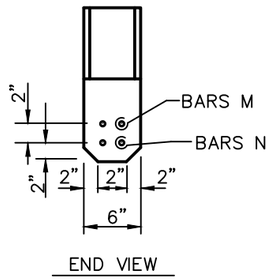
STD. SPEC. REFERENCE
702.

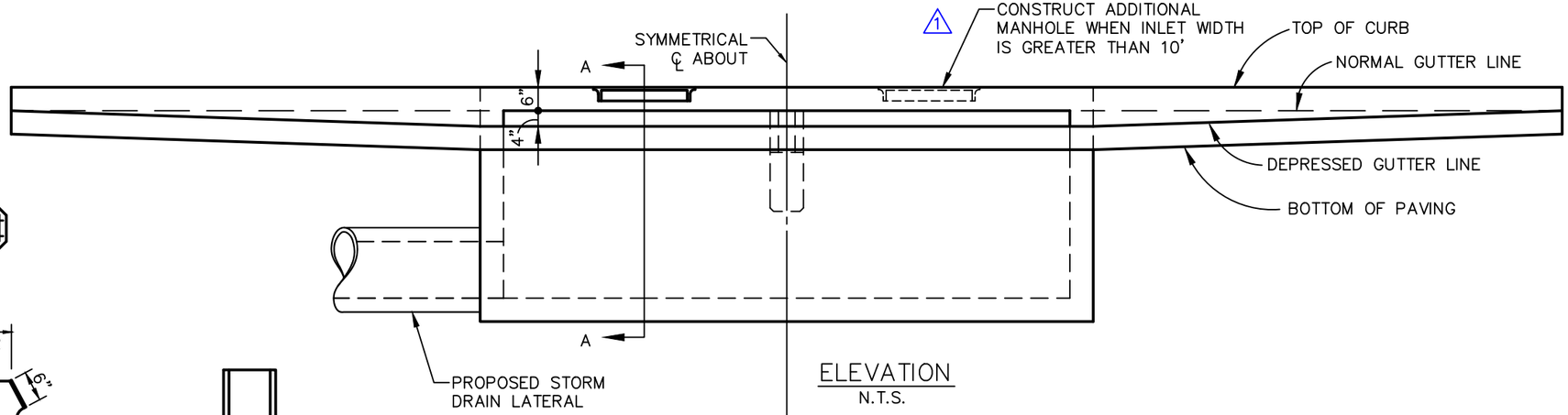
STANDARD DETAIL
6020-5



TRANSVERSE BEAM DETAIL

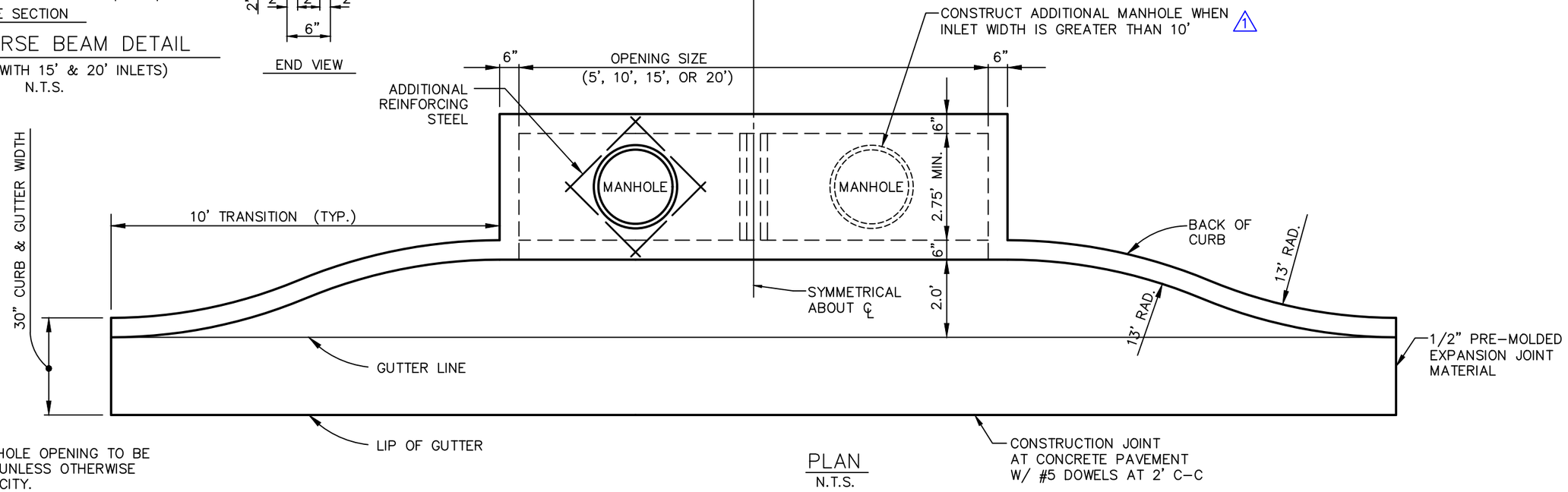
(FOR USE WITH 15' & 20' INLETS)
N.T.S.





ELEVATION

N.T.S.



PLAN

N.T.S.

NOTE:

1. LOCATION OF MANHOLE OPENING TO BE AT OUTFALL END, UNLESS OTHERWISE DIRECTED BY THE CITY.
2. INLETS OVER 10' IN WIDTH SHALL HAVE A MANHOLE OPENING AT EACH END.

1 2. INLETS OVER 10' IN WIDTH SHALL HAVE A MANHOLE OPENING AT EACH END.

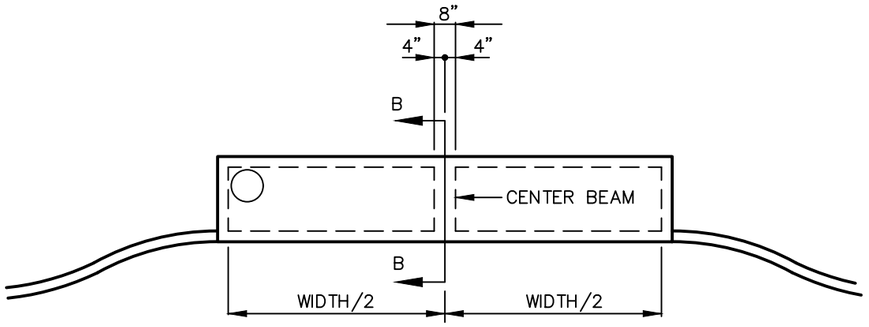
North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

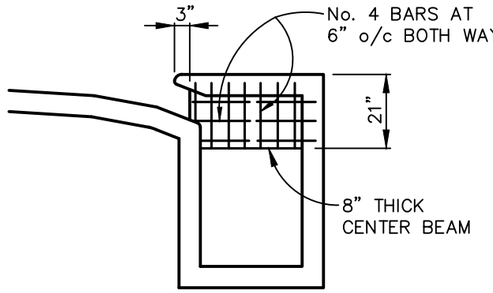
NO.	LOCAL EXCEPTION	BY	DATE
1	ADD NOTE 2 AND ADDITIONAL MANHOLES.	SWL	APR. '20

THE CITY OF COPPELL
TEXAS 1890

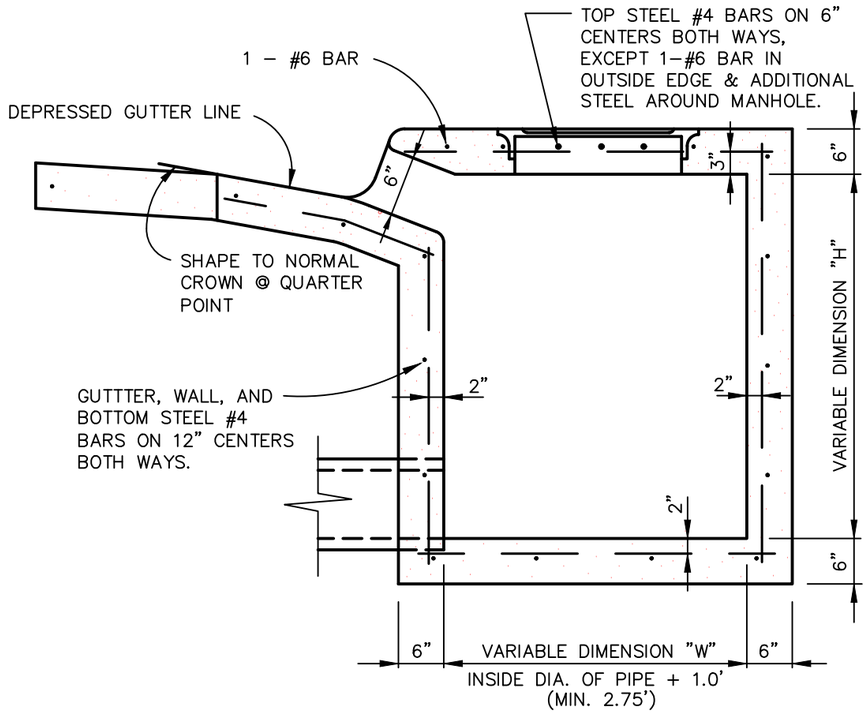
STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE
STORM DRAIN	501., 702.
RECESSED CURB INLET: 5', 10', 15' OR 20' OPENING	STANDARD DETAIL 6030-1
CITY OF COPPELL DALLAS COUNTY, TEXAS	



CENTER BEAM FOR
15' AND 20' INLETS
N.T.S.



SECTION B–B
N.T.S.



SECTION A–A
N.T.S.

GENERAL NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" CONCRETE.
2. REINFORCING BARS SHALL BE STANDARD GRADE STEEL, DEFORMED REINFORCING BARS OF A DIAMETER AND LENGTH AS SHOWN.
3. CHAMFER ALL EXPOSED CORNERS 3/4" EXCEPT WHERE OTHERWISE NOTED.
4. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTERS OF BARS.
5. FIELD CUT AND BEND BARS AS NECESSARY TO ACCOMMODATE STORM DRAIN PIPE.
6. RING AND COVER SHALL BE APPROVED BY THE CITY AND INSTALLED BY THE CONTRACTOR.
7. OUTER WALL OF STRUCTURE SHALL BE CONSTRUCTED USING FORMS, NOT THE VERTICAL WALL OF THE EXCAVATION.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

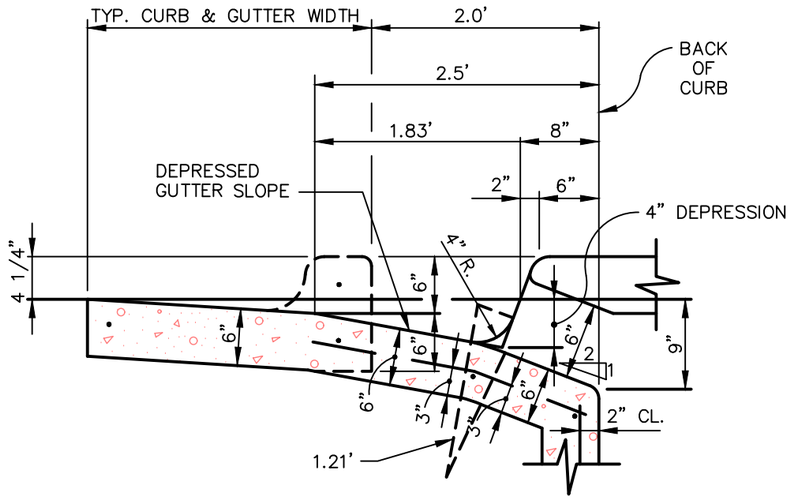
STORM DRAIN

RECESSED CURB INLET: 5', 10', 15' OR 20' OPENING

CITY OF COPPELL DALLAS COUNTY, TEXAS

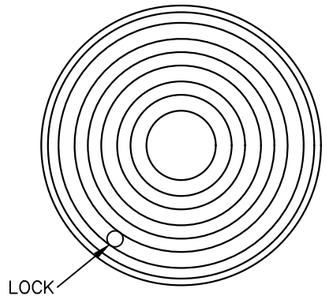
STD. SPEC. REFERENCE
501., 702.

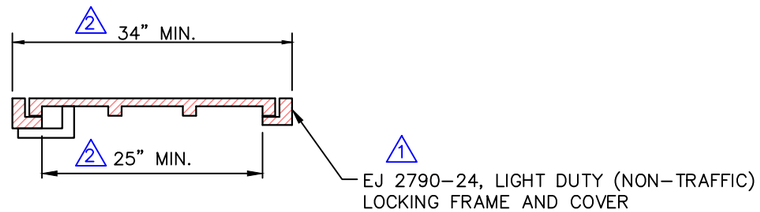
STANDARD DETAIL
6030-2



RECESSED INLET THROAT

N.T.S.





CAST IRON
FRAME AND COVER

N.T.S

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE
2	UPDATE DIMENSIONS OF FRAME AND COVER.	SWL	MAY '20
1	UPDATE PART NUMBER OF FRAME AND COVER.	SWL	MAY '20

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

STORM DRAIN

RECESSED CURB INLET: THROAT AND M.H. COVER

CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
501., 702.

STANDARD DETAIL
6030-3

GENERAL NOTES:

1. IN GENERAL, REINFORCING STEEL SHALL BE #4 BARS ON 12"CENTERS BOTH WAYS FOR GUTTER, BOTTOM SLAB ENDS, FRONT AND BACK WALLS, AND #4 BARS ON 6"CENTERS BOTH WAYS FOR TOP SLAB. AN ADDITIONAL #6 BAR SHALL BE PLACED IN THE FRONT EDGE OF THE TOP SLAB IN THE INLETS, AND ADDITIONAL REINFORCING STEEL SHALL BE PLACED AROUND MANHOLES AS SHOWN.
2. ALL REINFORCING STEEL SHALL BE GRADE 60.
3. ALL CONCRETE SHALL BE CLASS "A". ALL EXPOSED CORNERS SHALL BE CHAMFERED 3/4".
4. ALL REINFORCING STEEL SHALL HAVE A MINIMUM COVER OF 2" TO THE CENTERS OF THE BARS.
5. 10' OF EXISTING CURB AND GUTTER UPSTREAM AND 10' OF EXISTING CURB AND GUTTER DOWNSTREAM SHALL BE REMOVED AND REPOURED MONOLITHIC WITH EACH INLET.
6. ALL BACK FILL SHALL BE COMPACTED BY MECHANICAL TAMPING TO A DENSITY NOT LESS THAN 90% AS DETERMINED BY STANDARD PROCTOR DENSITY.
7. STORM DRAIN OUTFALL PIPE MAY ENTER ON ANY SIDE, BUT SHALL NOT ENTER AT ANY CORNER, NOR CONFLICT WITH TRANSVERSE BEAM ON 15' AND 20' INLETS

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE
1	ADD NOTE 1.	CMSB	OCT. '19

THE CITY OF COPPELL TEXAS 1890

STANDARD CONSTRUCTION DETAILS

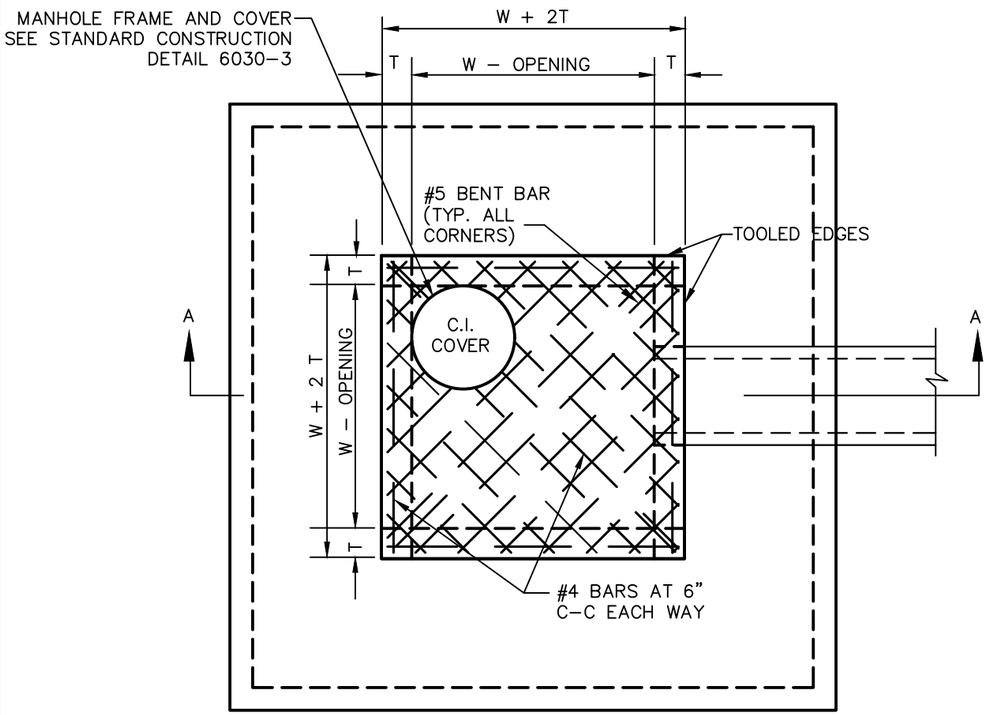
STORM DRAIN

RECESSED CURB INLET: GENERAL NOTES

CITY OF COPPELL DALLAS COUNTY, TEXAS

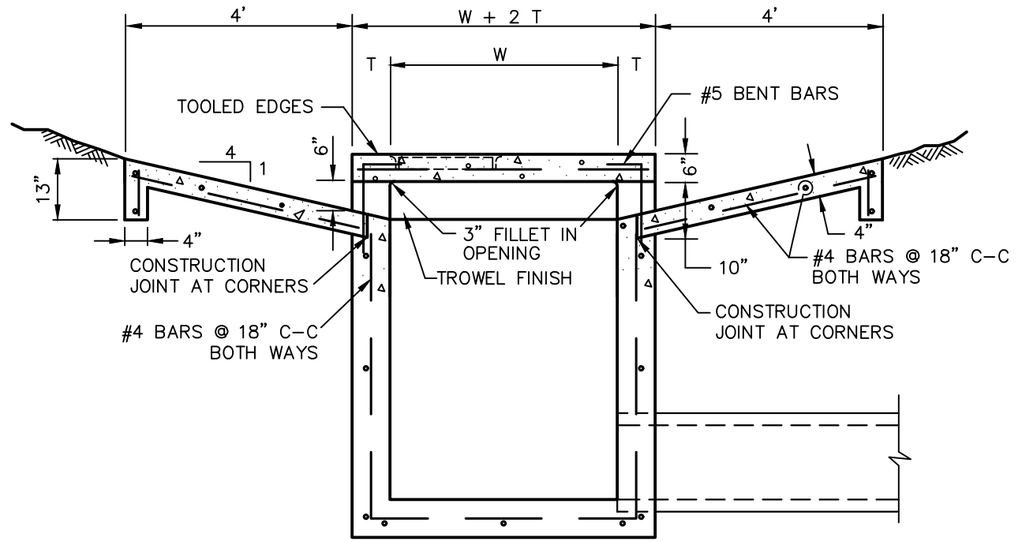
STD. SPEC. REFERENCE
501., 702.

STANDARD DETAIL
6030-4



PLAN OF TOP SLAB

N.T.S.



SECTION A–A

N.T.S.

INLET SIZE	T	W
2' SQUARE	7"	2'
4' SQUARE	7"	4'
5' SQUARE	8"	5'
6' SQUARE	9"	6'

NOTES:

1. MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF NCTCOG STANDARD SPECIFICATIONS FOR STANDARD CONCRETE MANHOLES. MINIMUM CLASS "A" CONCRETE.
2. LAYERS OF REINFORCING STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACES SHALL HAVE A COVER OF 2" TO THE CENTER OF BARS, UNLESS OTHERWISE NOTED.
3. FOR DETAILS OF REINFORCING OF LOWER PORTIONS OF INLET SEE APPROPRIATE SQUARE MANHOLE DETAILS.
4. DEPTH OF DROP INLET FROM FINISHED GRADE TO FLOW LINE OF INLET IS VARIABLE. APPROXIMATE DEPTH WILL BE SHOWN ON PLANS AT LOCATION OF INLET.
5. ALL STANDARD DROP INLETS SHALL HAVE ONE OPENING ON EACH SIDE UNLESS OTHERWISE SHOWN ON PLANS.
6. DECK MAY BE REINFORCED SAME AS 4' SQUARE MANHOLE.
7. OUTER WALL OF STRUCTURE SHALL BE CONSTRUCTED USING FORMS, NOT THE VERTICAL WALL OF THE EXCAVATION.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1891

STANDARD CONSTRUCTION DETAILS

STORM DRAIN

DROP INLET

CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE

501., 702.

STANDARD DETAIL

6040

GRATE INLET STRUCTURES WILL BE APPROVED ON A CASE-BY-CASE BASIS

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1890

STANDARD CONSTRUCTION DETAILS

STORM DRAIN

GRATE INLET

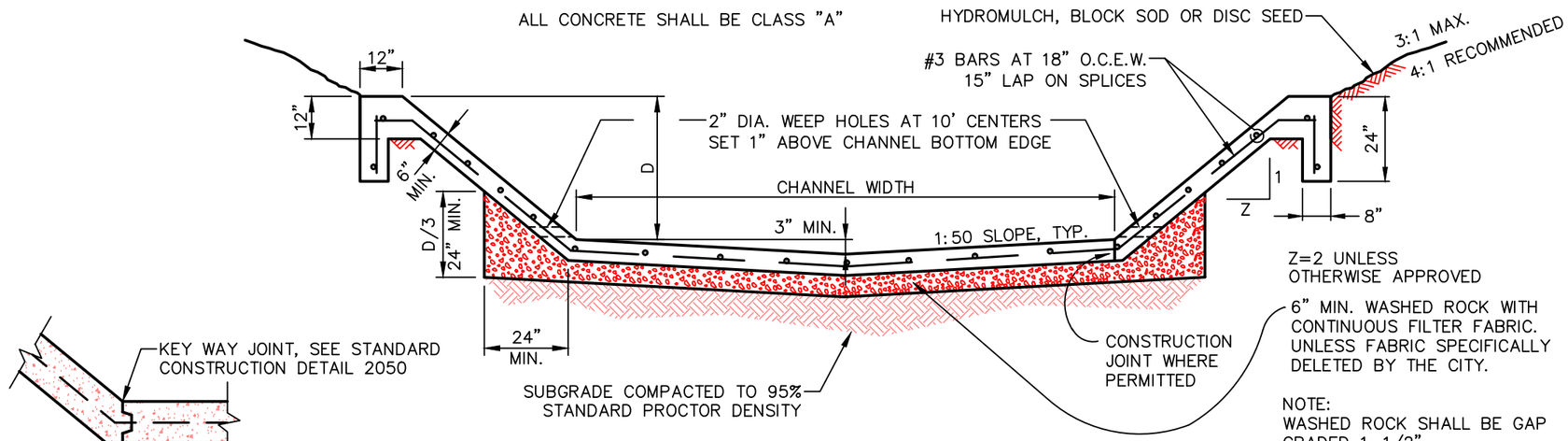
CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE

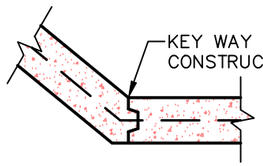
303., 501., 702.

STANDARD DETAIL

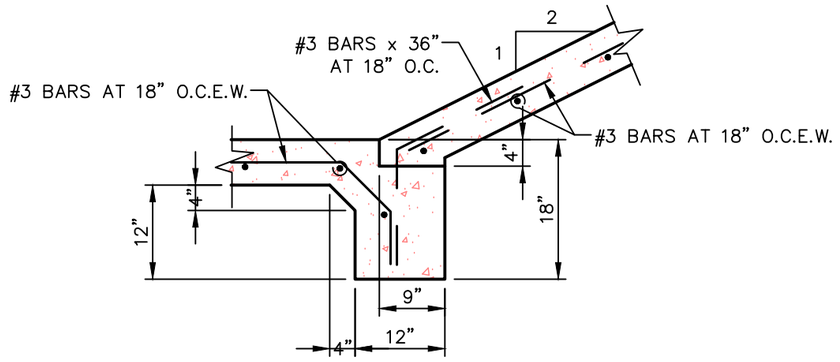
6050



REINFORCED CONCRETE
CHANNEL SECTION
N.T.S.



CONSTRUCTION JOINT
N.T.S.



ALTERNATE CONSTRUCTION JOINT
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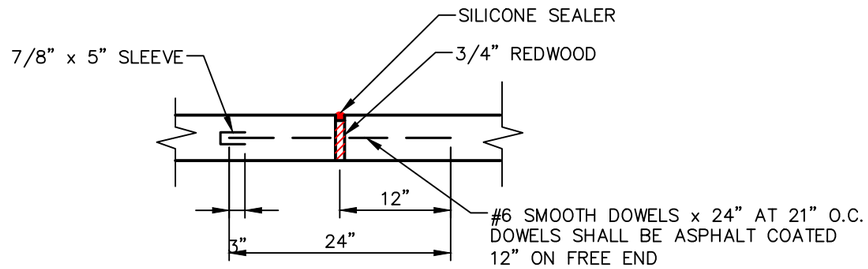


TRANSVERSE EXPANSION JOINT
SPACE 100' C-C AND USE AT ENDS OF CURVES - P.C. AND P.T.
N.T.S.

NOTES:
1. FILL AREAS SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% STANDARD PROCTOR DENSITY.
2. FULL CHANNEL LINING MAY BE USED ONLY WITH APPROVAL OF THE CITY ENGINEER AND THE ARMY CORPS OF ENGINEERS.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1890

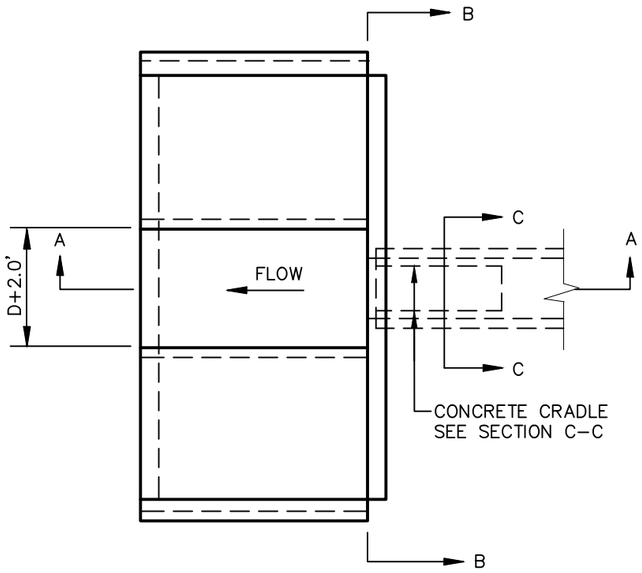
STANDARD CONSTRUCTION DETAILS

STORM DRAIN
FULL CHANNEL LINING

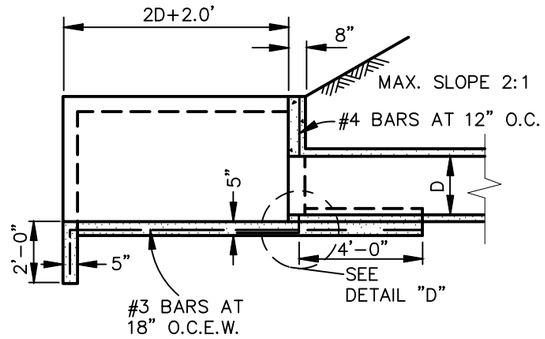
CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
501., 702.

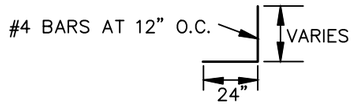
STANDARD DETAIL
6060



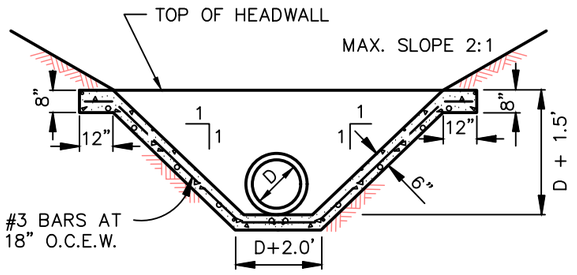
PLAN
N.T.S.



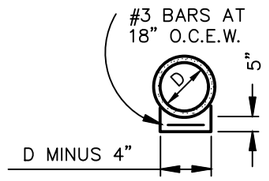
SECTION A–A
N.T.S.



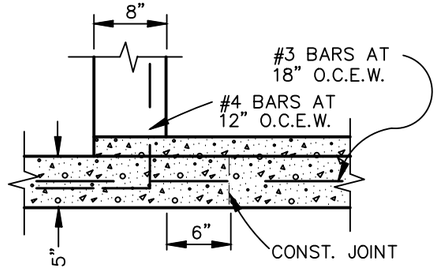
BAR DETAIL
N.T.S.



SECTION B–B
N.T.S.



SECTION C–C
N.T.S.



DETAIL D
N.T.S.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1890

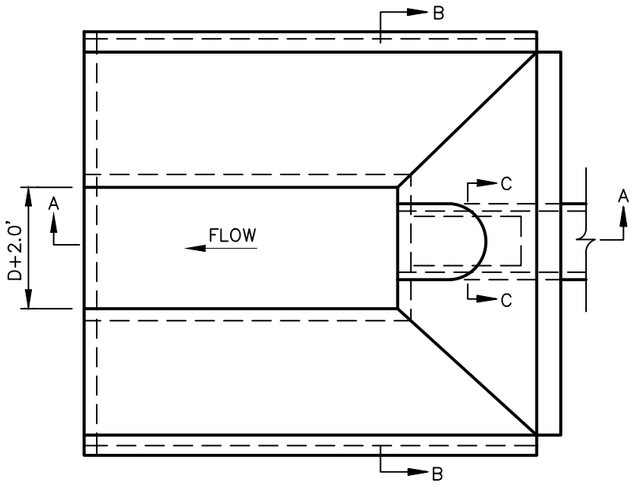
STANDARD CONSTRUCTION DETAILS

STORM DRAIN
VERTICAL HEADWALL

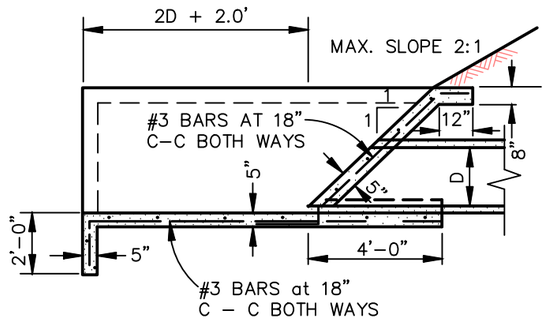
CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
501., 702.

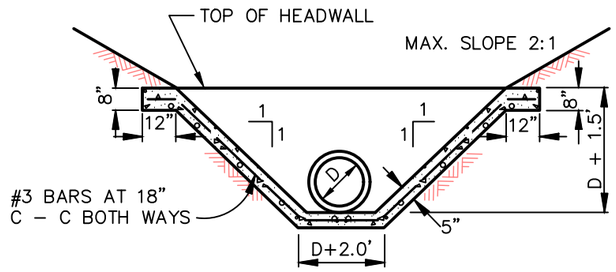
STANDARD DETAIL
6070



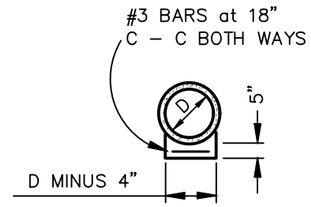
PLAN
N.T.S.



SECTION A–A
N.T.S.



SECTION B–B
N.T.S.



SECTION C–C
N.T.S.

NOTE:
CONCRETE SHALL BE CLASS "A".

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1890

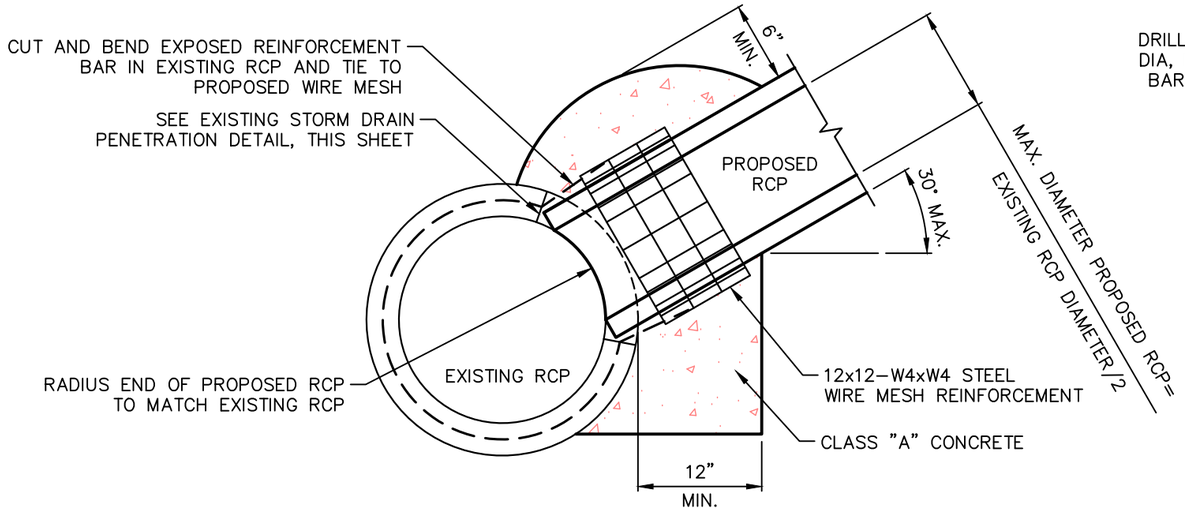
STANDARD CONSTRUCTION DETAILS

STORM DRAIN
SLOPING HEADWALL

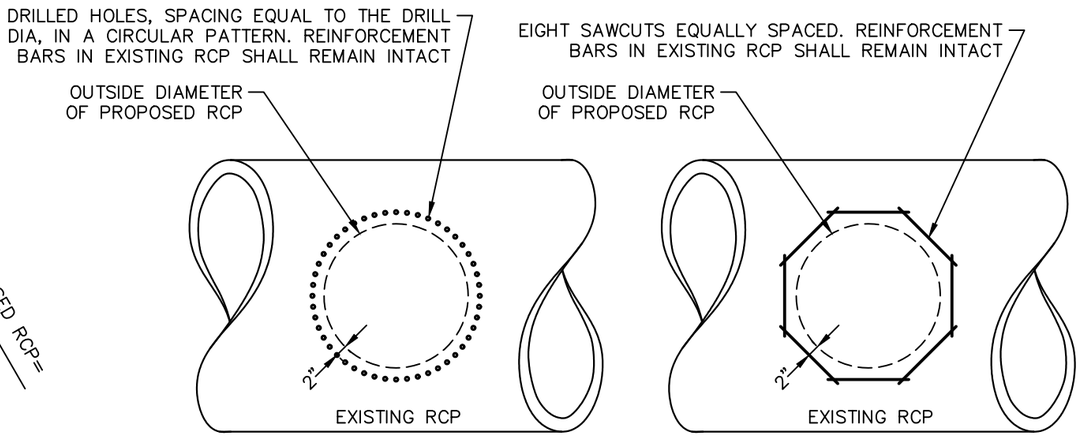
CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
501., 702.

STANDARD DETAIL
6080



CONNECTION OF PROPOSED TO EXISTING RCP STORM DRAIN
N.T.S.

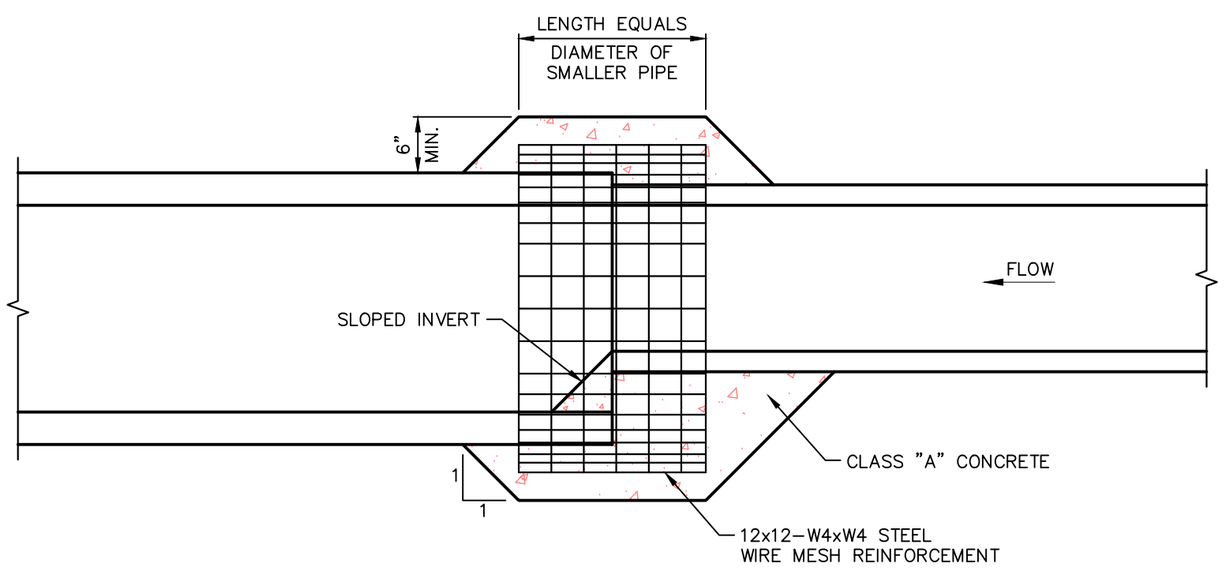


EXISTING STORM DRAIN PENETRATION METHODS
N.T.S.

NOTES:

1. THE CONNECTION METHODS SHOWN ON THIS DETAIL SHALL ONLY BE EMPLOYED WHEN THE USE OF A PREFABRICATED RCP CONNECTION IS NOT POSSSIBLE, AND WITH THE APPROVAL OF THE CITY ENGINEER.

2. NO. 3 BARS ON 6" CTRS. MAY BE USED IN PLACE OF WIRE MESH REINFORCEMENT.



PIPE COLLAR FOR FIELD CONNECTION
N.T.S.

North Central Texas Council of Governments

NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1890

STANDARD CONSTRUCTION DETAILS	*STD. SPEC. REFERENCE*
STORM DRAIN PIPE COLLAR AND FIELD CONNECTION	501., 702.
CITY OF COPPELL DALLAS COUNTY, TEXAS	*STANDARD DETAIL* 6085

STORM DRAIN
GENERAL NOTES AND TESTING

1. STORM DRAIN LINE MINIMUM DIAMETER SHALL BE 18". MATERIALS OTHER THAN REINFORCED CONCRETE PIPE (RCP) MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.

2. STORM DRAIN LINE INSTALLATIONS MAY BE SUBJECT TO EXFILTRATION TESTING AND LOW PRESSURE AIR TESTING.

3. STORM DRAIN LINE INSTALLATIONS MAY BE SUBJECT TO A TV EXAMINATION. A COPY OF SAID EXAMINATION SHALL BE PROVIDED TO THE CITY FOR REVIEW PRIOR TO ACCEPTANCE OF THE STORM DRAIN LINE BY THE CITY.

4. STORM DRAIN LINE EMBEDMENT SHALL BE IN ACCORDANCE WITH THE CITY OF COPPELL STANDARD CONSTRUCTION DETAILS FOR STORM DRAIN LINE EMBEDMENT.

5. ALL RCP AND BOX CULVERT STORM DRAIN PIPE SHALL HAVE "RAMNEK" JOINT GASKETS AND MANUFACTURER PRIMED SEALING SURFACES.

6. ALL OUTFALL STRUCTURES SHALL BE BOUNDED BY A MIN. OF 20 SY GROUTED RIP-RAP.

North Central Texas Council of Governments

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NO.	LOCAL EXCEPTION	BY	DATE

THE CITY OF COPPELL TEXAS 1890

STANDARD CONSTRUCTION DETAILS

STORM DRAIN
GENERAL NOTES AND TESTING

CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE

STANDARD DETAIL
6090